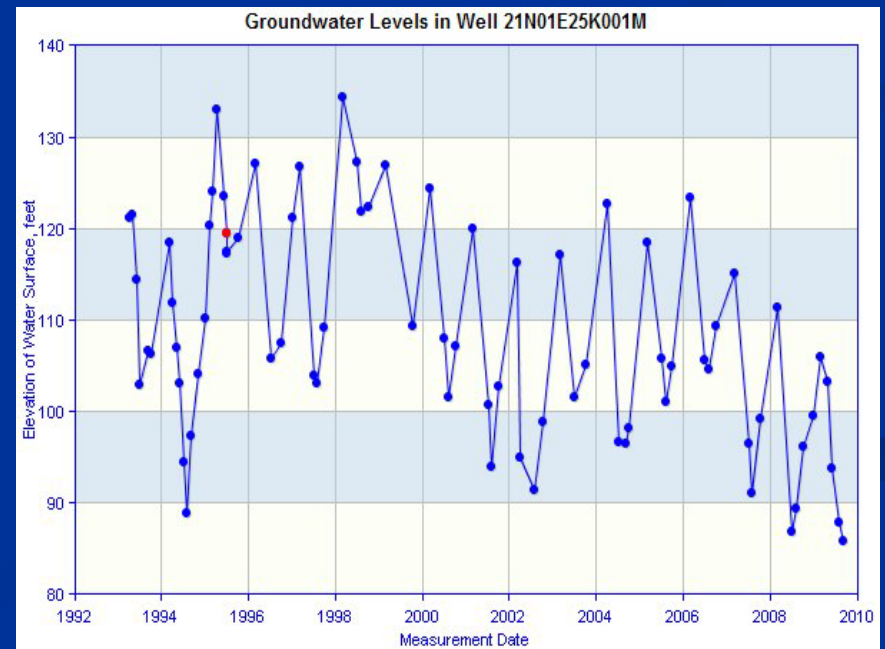
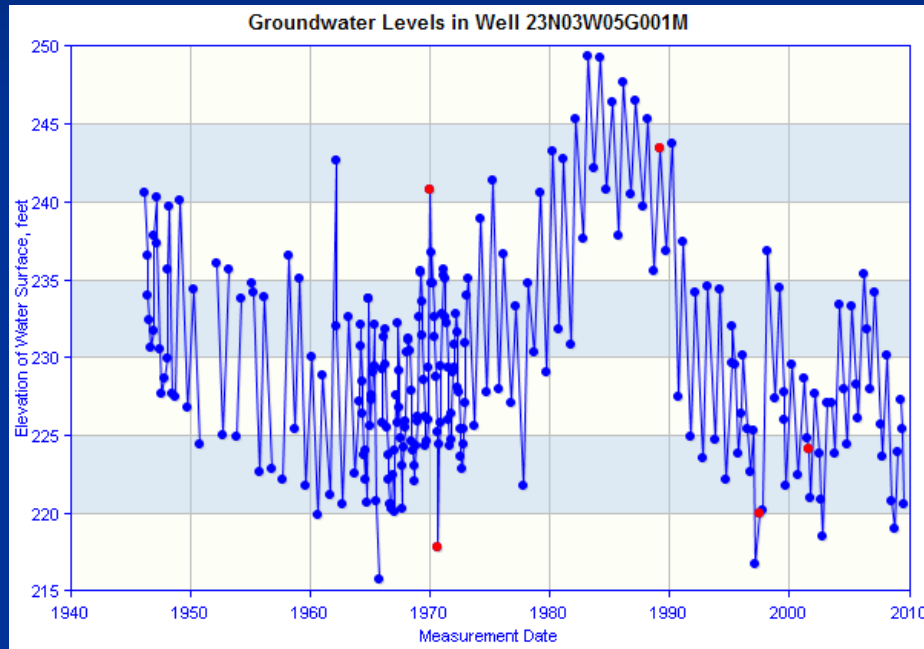
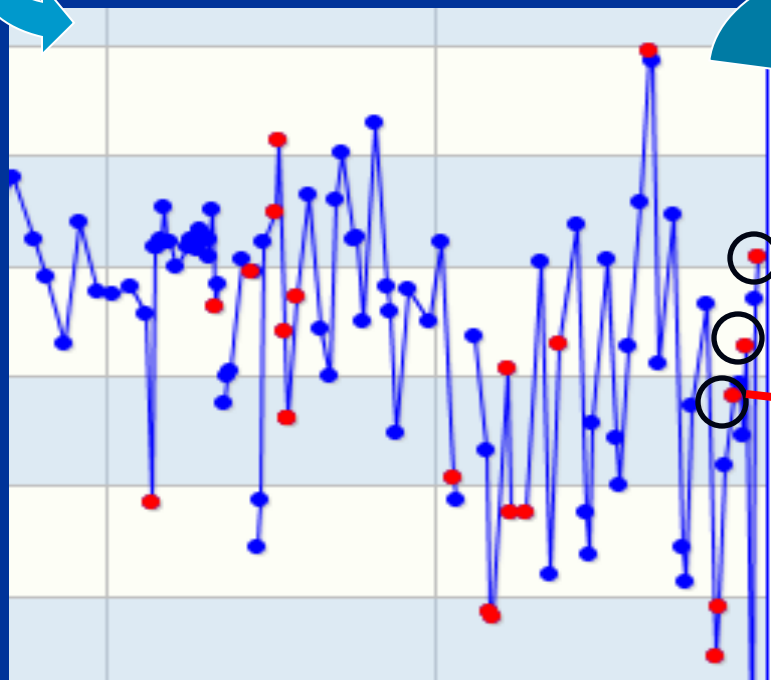
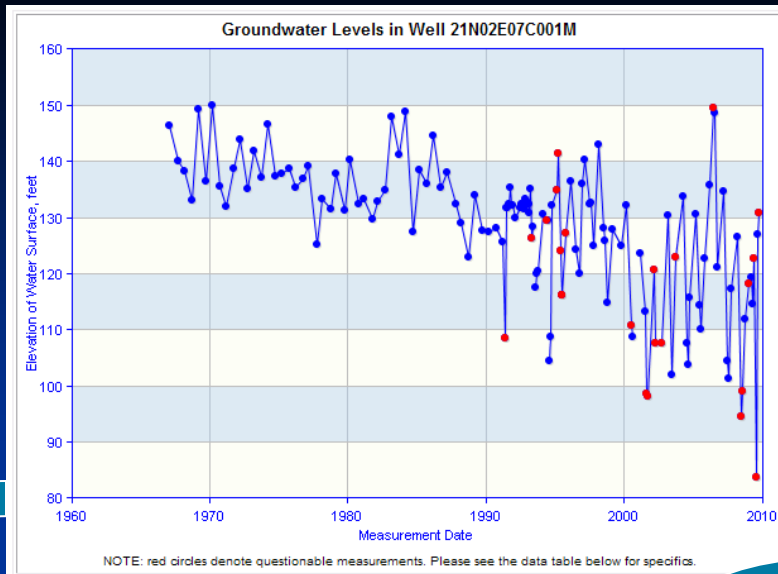


# Groundwater Hydrographs

*A historical record of groundwater conditions in a single well  
(Good for looking at seasonal fluctuations and long-term trends)*



# Hydrographs and Data on Water Data Library



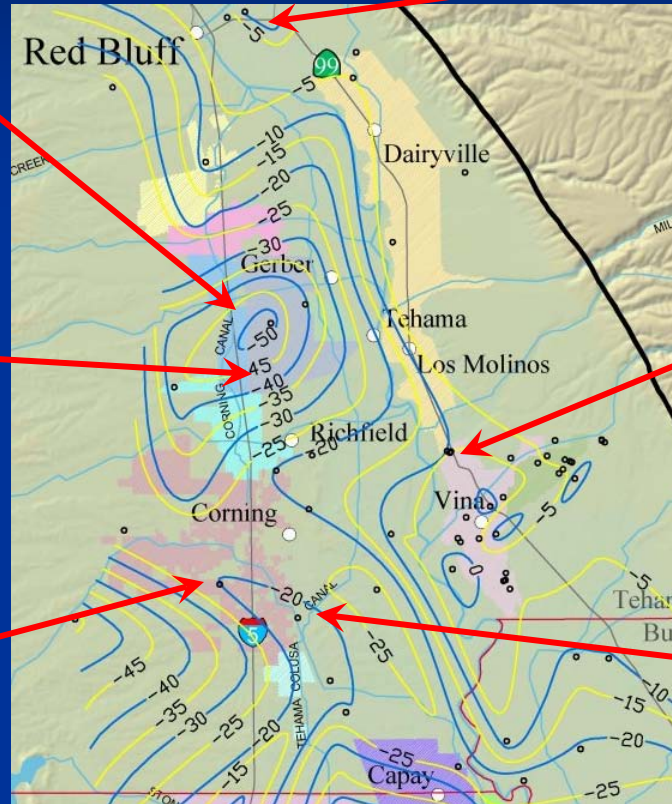
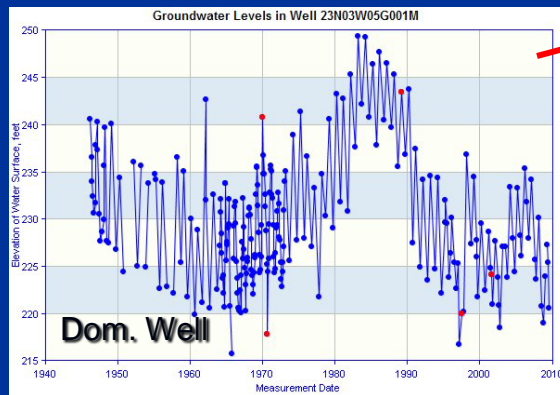
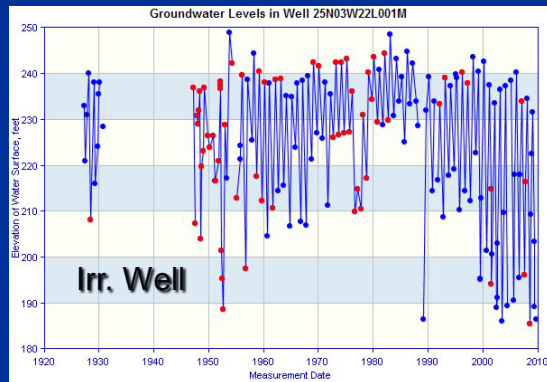
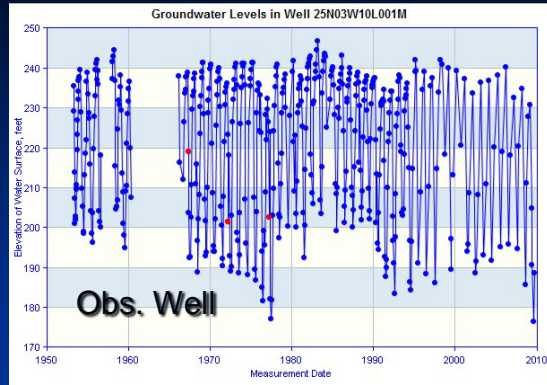
Groundwater Level Readings

Meas. Date	R.P. Elev.	G.S. Elev.	RPWS	WSE	GSWS	QM Code	NM Code	Agency	Comment
03-13-2008	205.7	203.0	79.2	126.5	76.5			5050	
07-11-2008	205.7	203.0	111.2	94.5	108.5	3		5050	
08-07-2008	205.7	203.0	106.7	99.0	104.0	3		5050	
10-24-2008	205.7	203.0	93.8	111.9	91.1			5050	
01-14-2009	205.7	203.0	87.5	118.2	84.8	3		5050	
03-25-2009	205.7	203.0	86.4	119.3	83.7			5050	
05-13-2009	205.7	203.0	91.0	114.7	88.8			5050	
06-25-2009	205.7	203.0	83.1	122.6	80.4	3		5050	
08-10-2009	205.7	203.0	122.0	83.7	119.3	3		5050	
09-16-2009	205.7	203.0	78.7	127.0	76.0			5050	
10-23-2009	205.7	203.0	74.9	130.8	72.2	7		5050	2

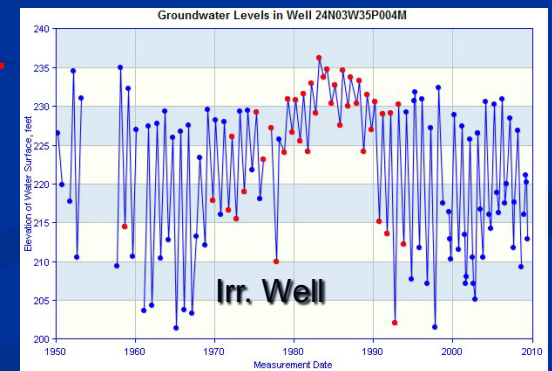
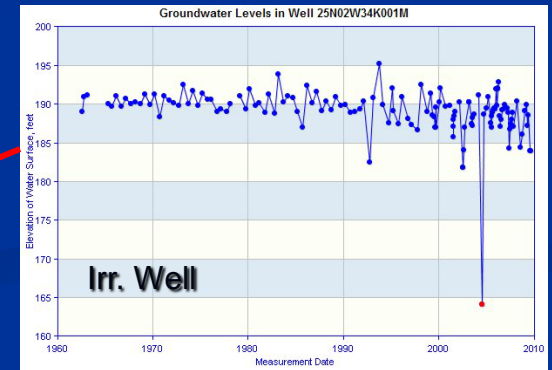
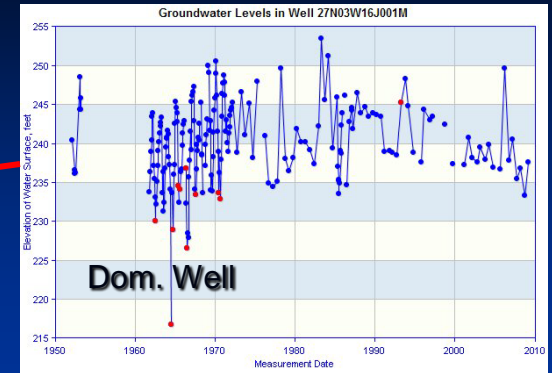
DWR Water Data Library: [wdl.water.ca.gov](http://wdl.water.ca.gov)



# Aquifer Response to Groundwater Demand

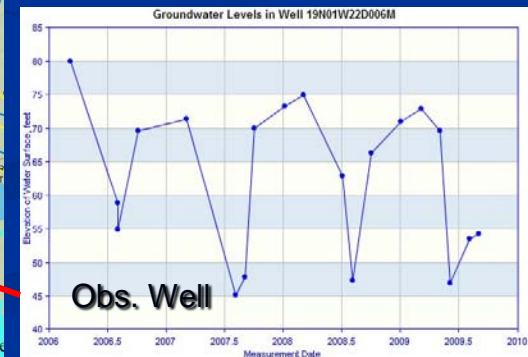
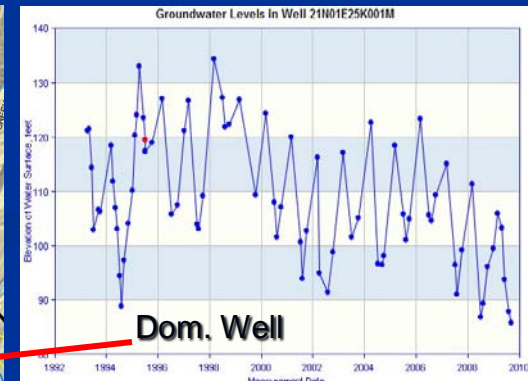
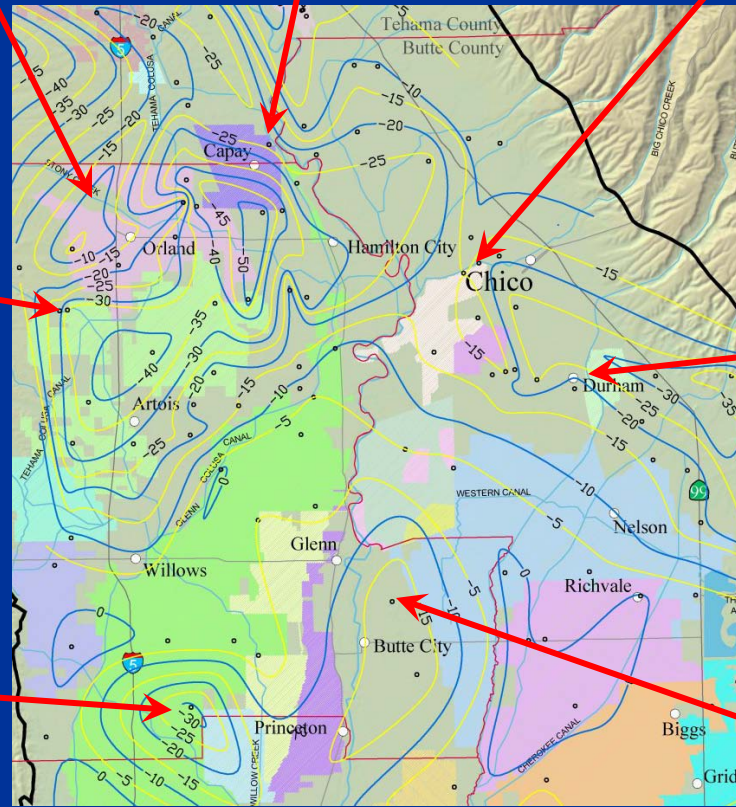
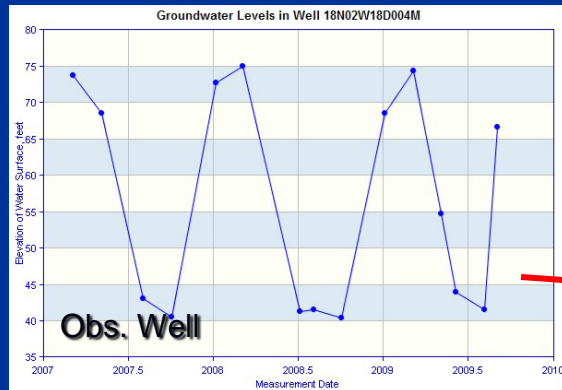
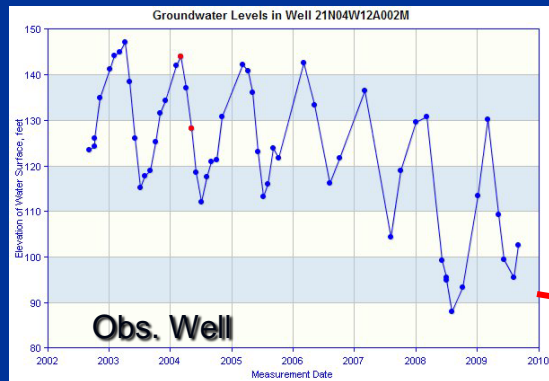
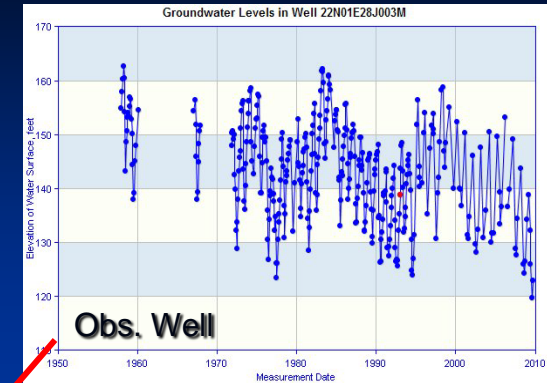
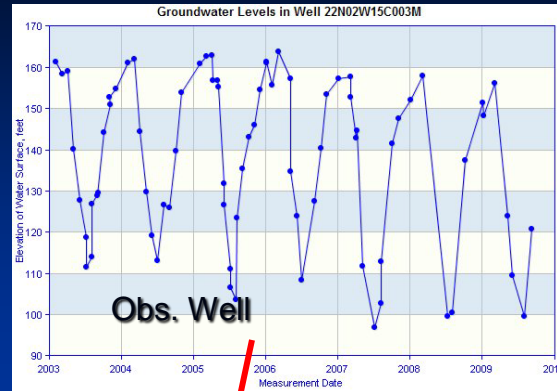
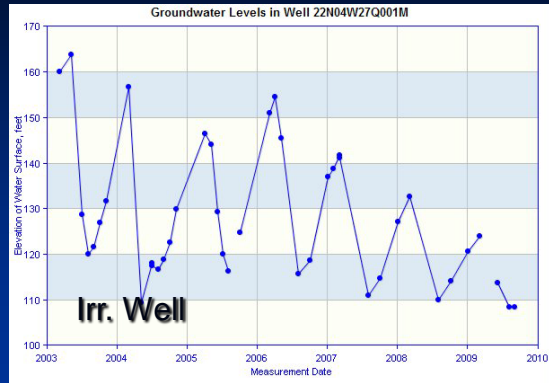


2009 Spring - Summer Change



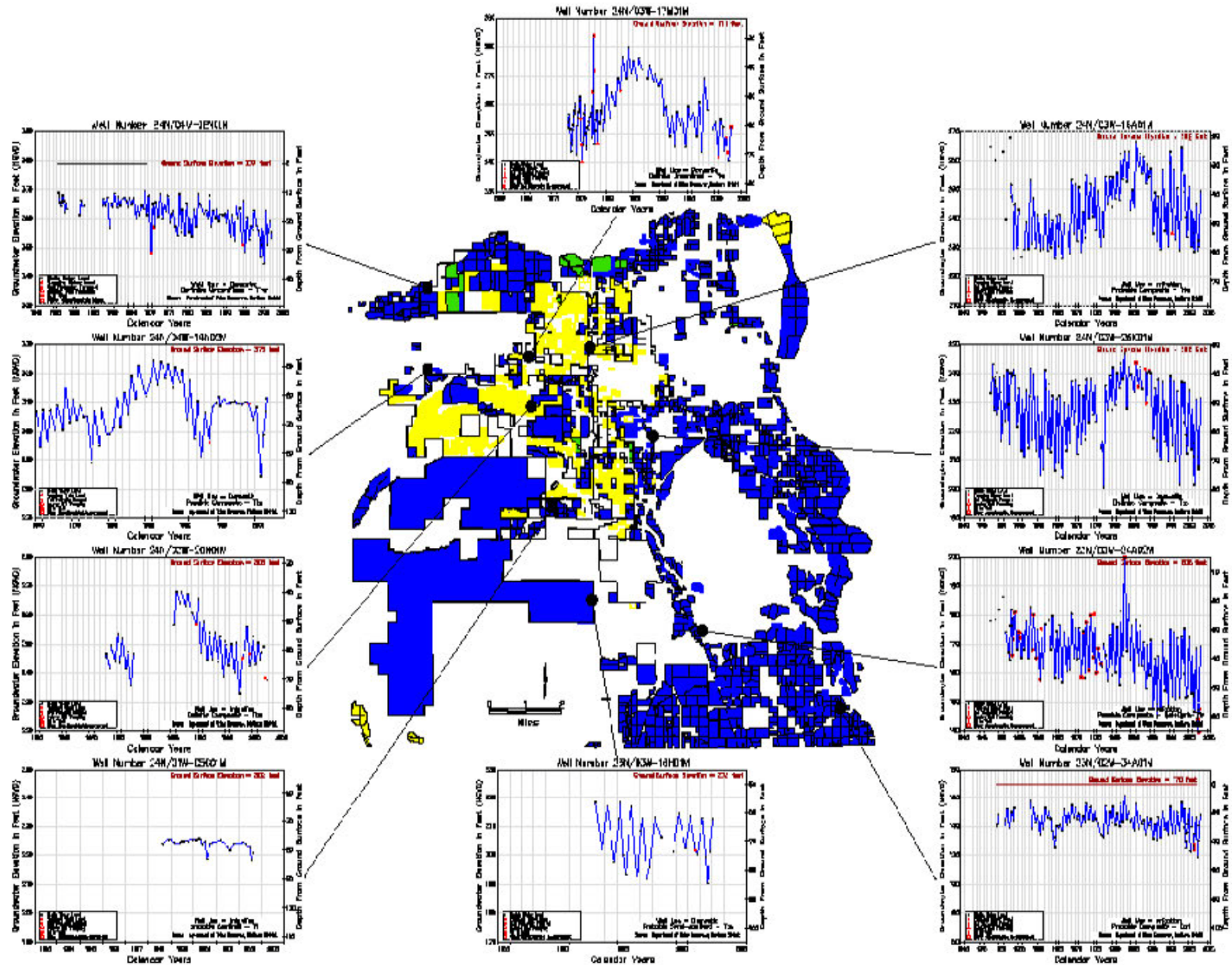


# Aquifer Response to Groundwater Demand



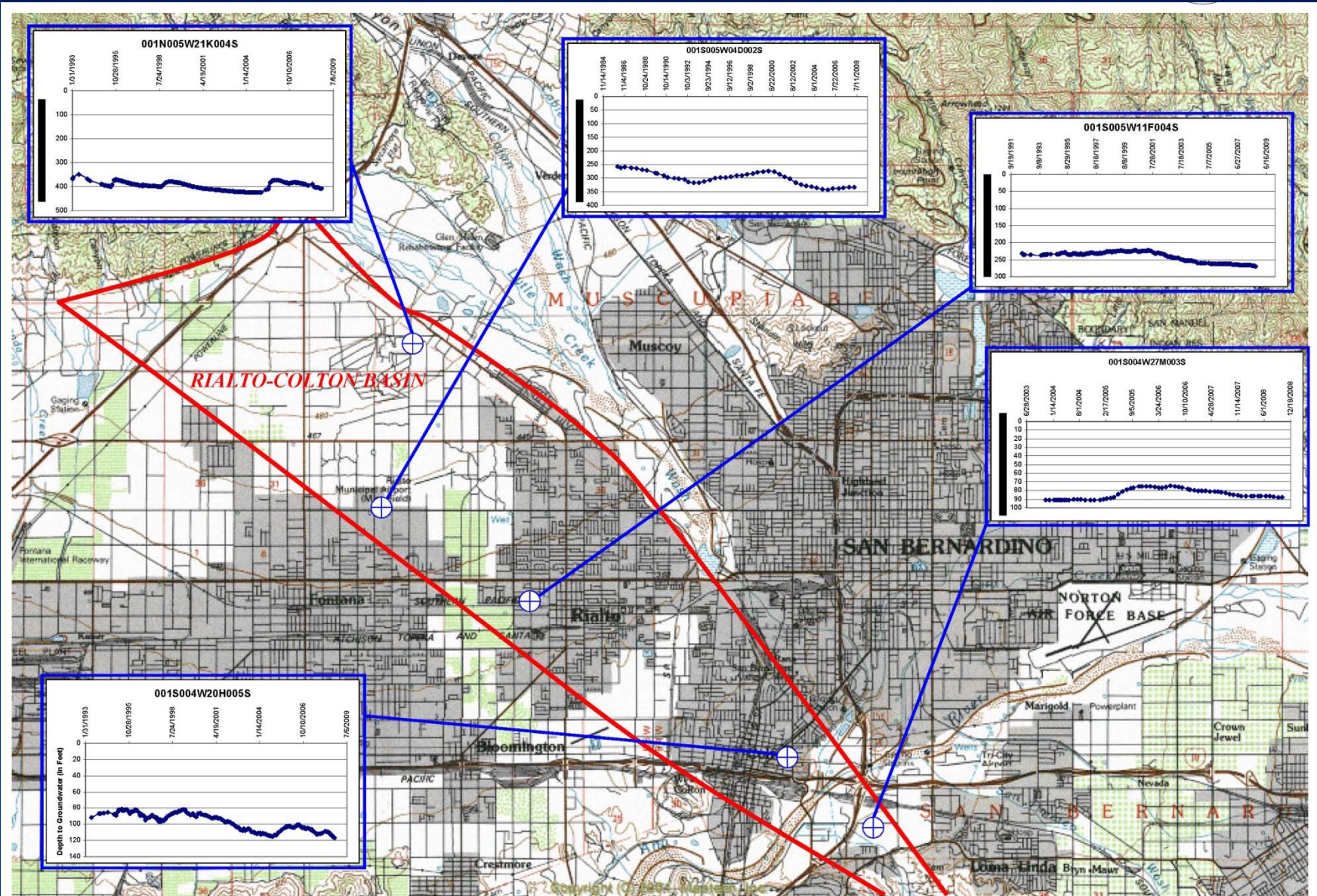
2009 Spring - Summer Change

# Hydrographs by Water Use



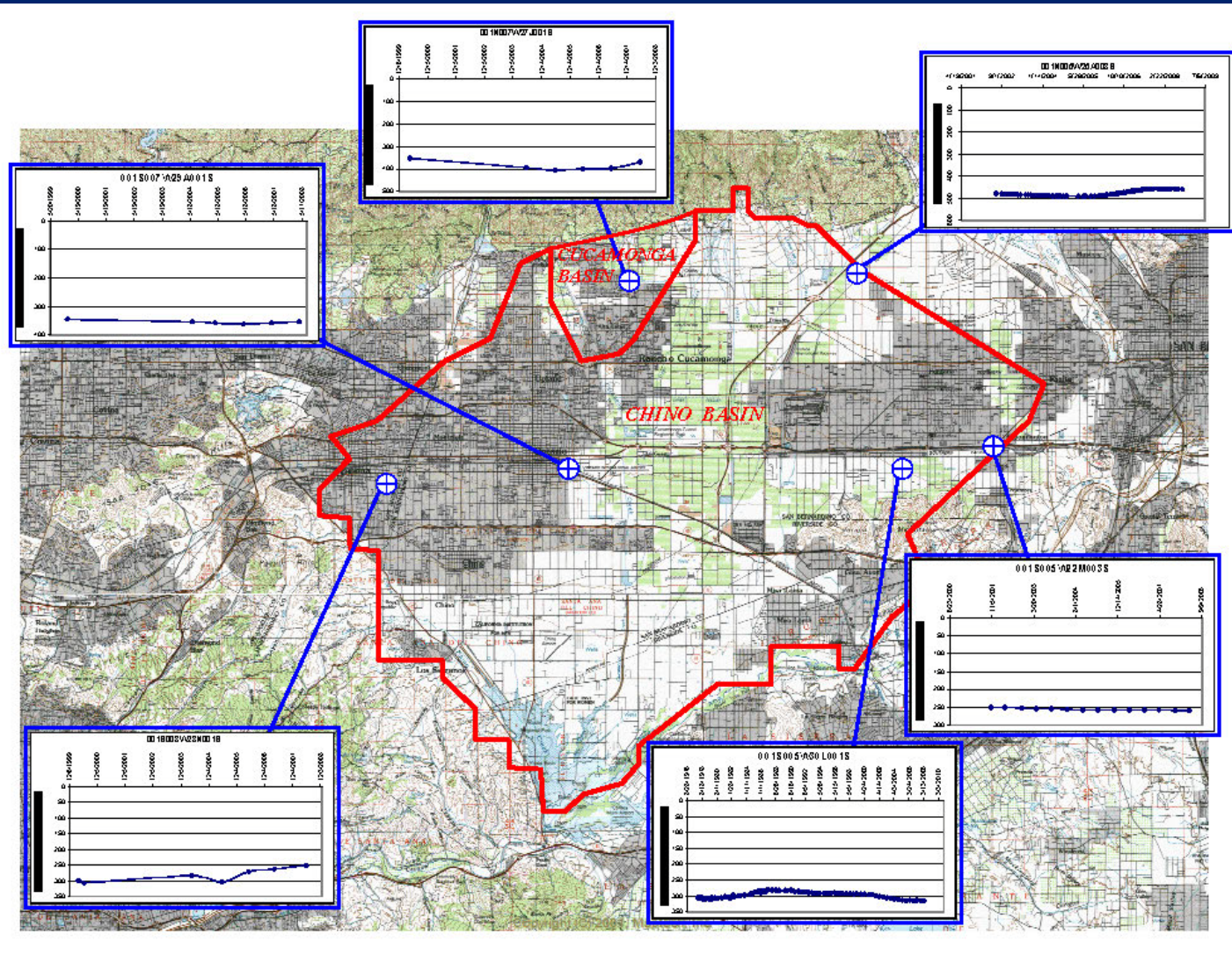


# HYDROGRAPH MAP OF THE RIALTO-COLTON BASIN, SAN BERNARDINO COUNTY, CA



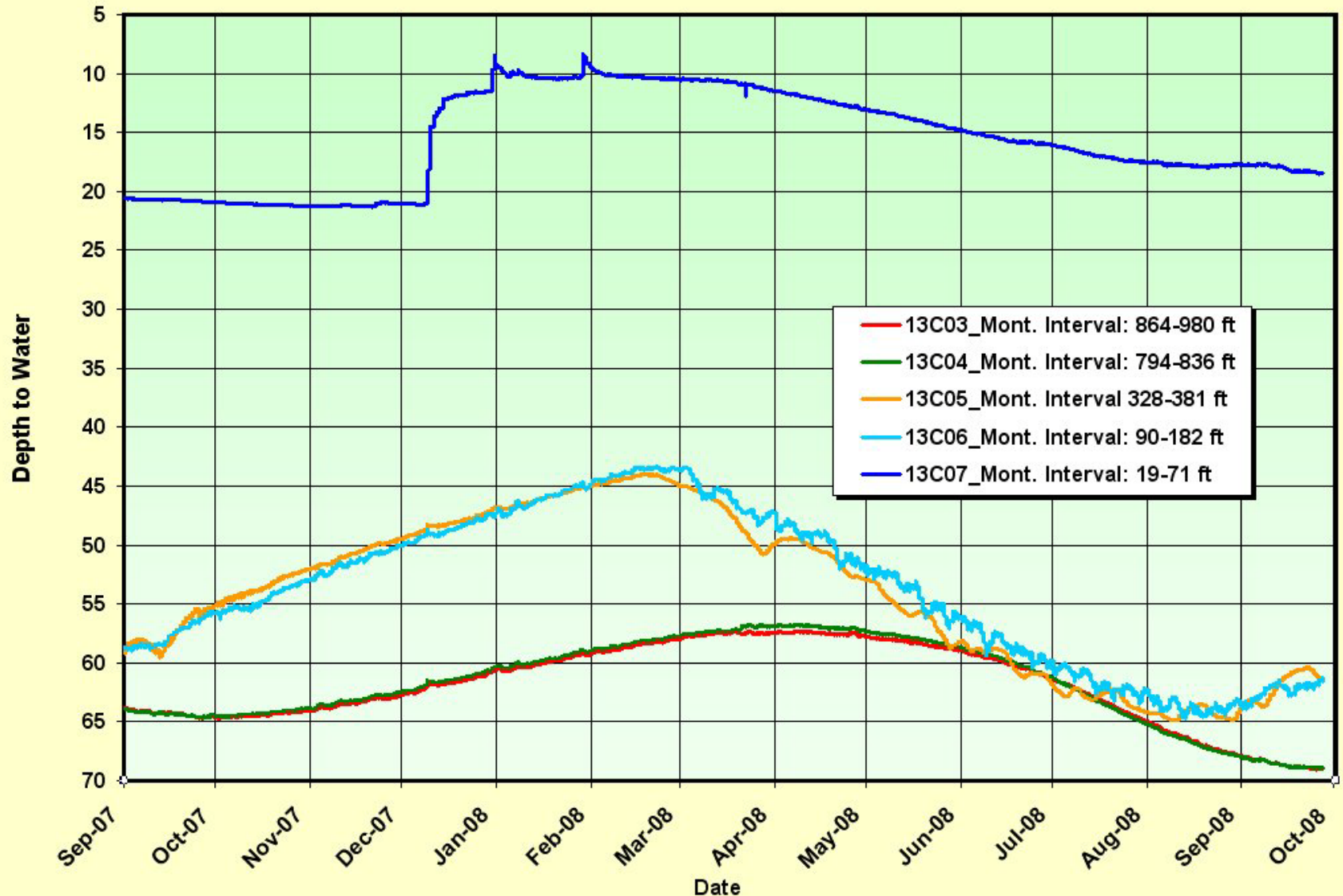


# HYDROGRAPH MAP OF THE CUCAMONGA AND CHINO BASINS, SAN BERNARDINO, RIVERSIDE AND LA CO.



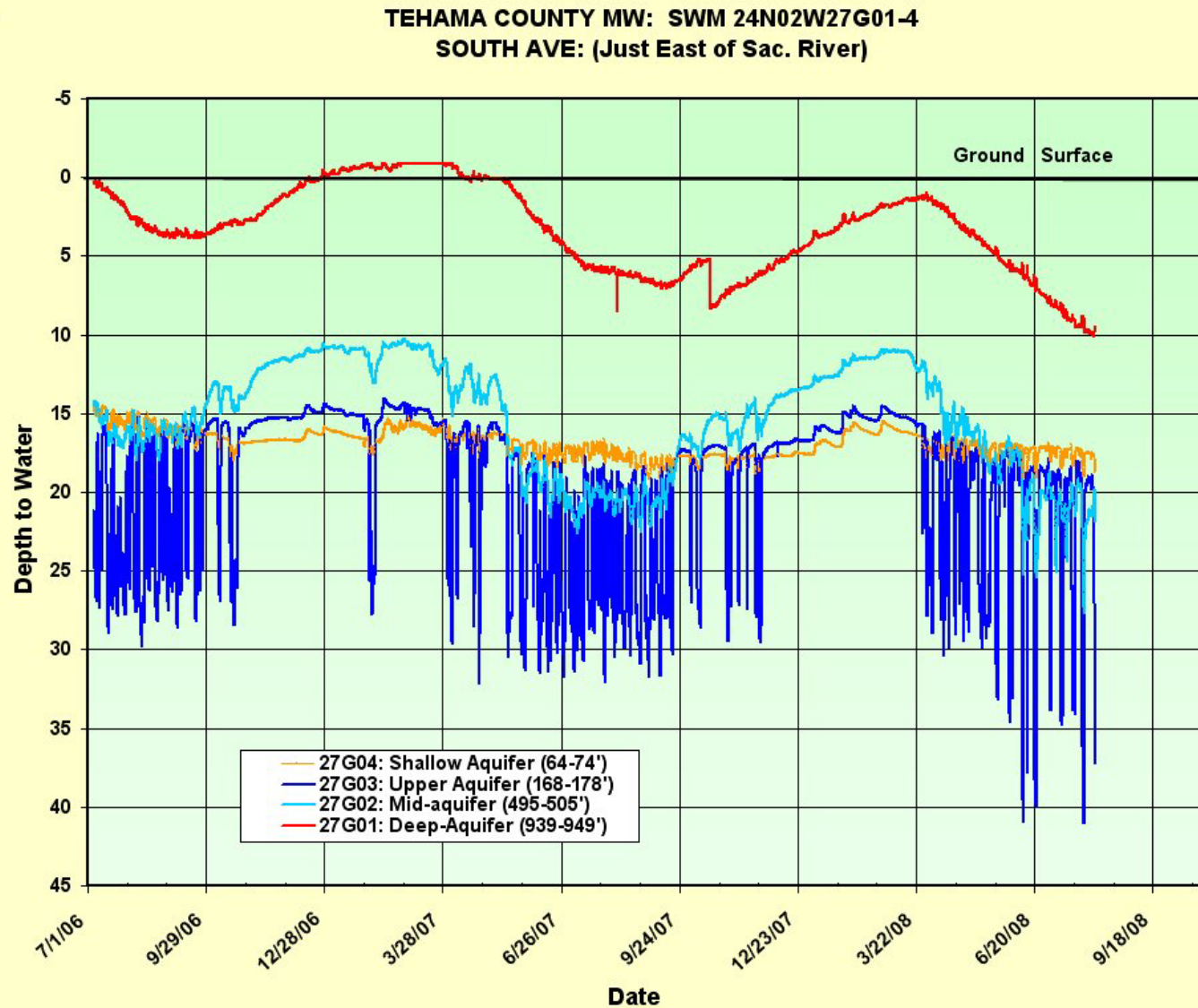
# Dedicated MW: Hall & Capay Rd

TEHAMA COUNTY MW SWN: 23NR03W13C3-7  
CAPAY and HALL ROAD

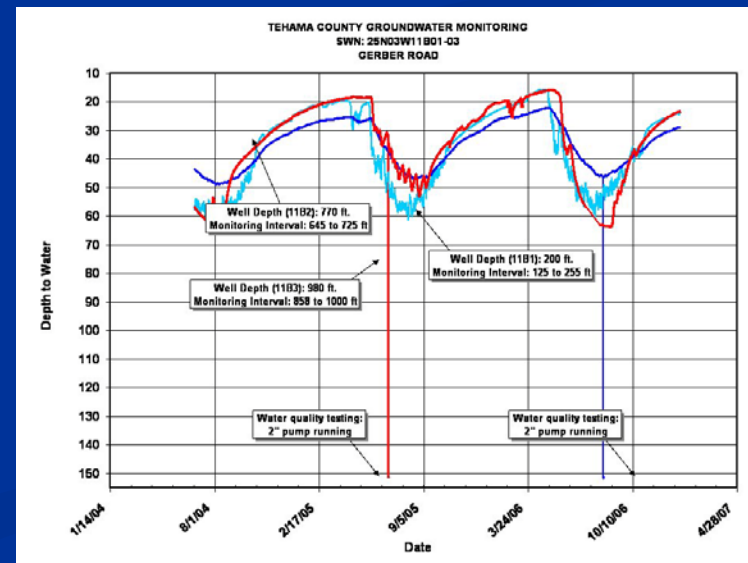
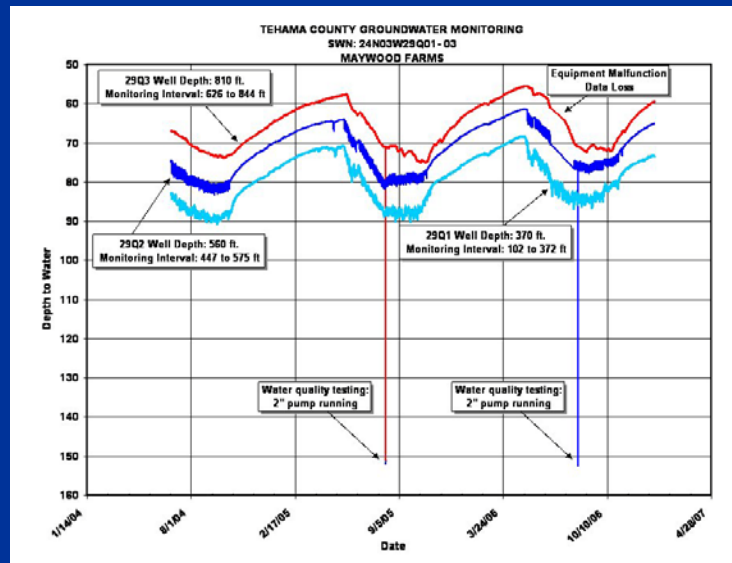
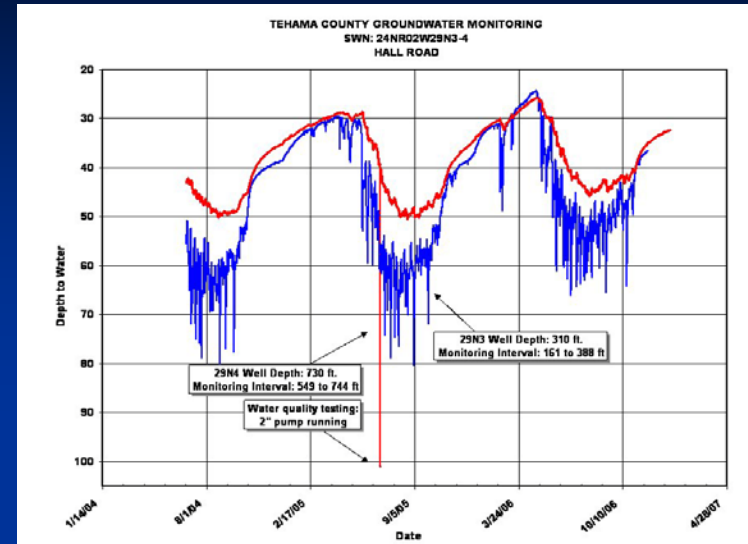
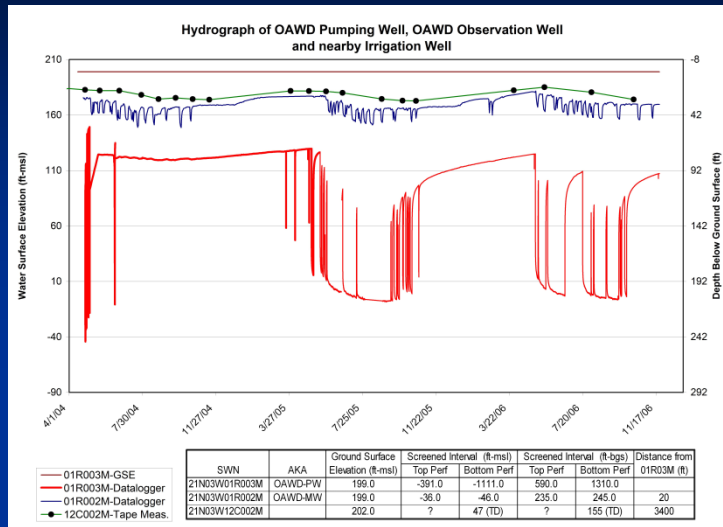




# Dedicated MW: South Ave. East of Sac Riv.



# Aquifer Interaction





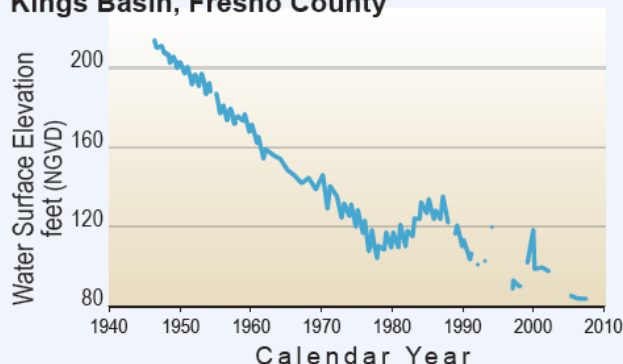
# Hydrograph Presentation

## Box 8-7 Groundwater Overdraft and Conjunctive Management

The two hydrographs below show the response of groundwater levels to differing water management regimes. The first hydrograph shows groundwater levels declining in response to agricultural development in the San Joaquin Valley. Groundwater levels recover somewhat during the wet period of the early 1980s, but continue to decline through the 1980s and 1990s in the absence of a focused conjunctive water management action. The second hydrograph shows a similar groundwater level decline in response to development in southern

Yuba County. However, groundwater levels begin to recover in the early 1980s when surface water imports from Yuba County Water Agency began, resulting in conjunctive water management. The hydrograph shows a decline in groundwater levels during the early 1990s drought as surface water imports were curtailed and groundwater was more heavily relied upon. Thereafter, continued conjunctive water management action resulted in the refilling of the South Yuba Groundwater Subbasin, which continues up to present.

**Kings Basin, Fresno County**



**Brophy Water District, South Yuba County**

